

South Dakota

**BUREAU OF ADMINISTRATION
OFFICE OF THE STATE ENGINEER**

JOE FOSS BUILDING
523 EAST CAPITOL AVE.
PIERRE, SD 57501-3182
(605) 773-3466
FAX (605) 773-5980
<http://www.state.sd.us/boa/ose>

June 3, 2008

ZACH GREENE
SOUTHERN FOLGER DETENTION EQUIPMENT CO LLC
4634 S PRESA
SAN ANTONIO TX 78223

Re: South Dakota Women's Prison
Detention Equipment Replacement
3200 E. Highway 34
Pierre, SD 57501
OSE# C2008--01X/SWMR

Dear Gentlemen:

Enclosed is an approved copy of your contract on the above referenced project. Notice to Proceed will be issued when all contract documents have been received and approved by the proper authorities.

Sincerely,

KH/wwh

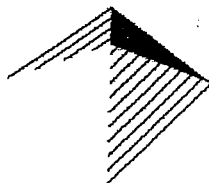
KRISTI HONEYWELL, P.E.
State Engineer
Office of the State Engineer

KH/wwh

Enclosure

cc: Rich Ivey, OSE
Warden Dwane Russell, SDWP
Alan Todd, BFM
Auditor
file

DBIA



DESIGN-BUILD
INSTITUTE OF AMERICA

Standard Form of Agreement Between Owner and Design-Builder — Lump Sum

*This document has important legal consequences. Consultation with
an attorney is recommended with respect to its completion or modification.*

This **AGREEMENT** is made as of the 9th day of May in the year of **2008**, by and between the following parties, for services in connection with the Project identified below.

OWNER:

**South Dakota Department of Corrections
3200 E. Highway 34
Pierre, SD 57501**

DESIGN-BUILDER:

**Southern Folger Detention Equipment Company LLC
4634 S. Presa
San Antonio TX 78223**

PROJECT:

**South Dakota Women's Prison
Detention Equipment Replacement
3200 E. Highway 34
Pierre, SD 57501
OSE# C2008--01X/SWMR**

Whereas Owner has issued a Request for Proposals dated March 4, 2008, pursuant to which Owner solicited Proposals and Owner has selected Design-Builder to perform the Work. In consideration of the mutual covenants and obligations contained herein, Owner and Design-Builder agree as set forth herein.

Article 1 Scope of Work

1.1 Design-Builder shall perform all design and, construction and management services, and provide all facilities, supplies, material, equipment, tools and labor, necessary to complete the Work described in and reasonably inferable from the Contract Documents.

Article 2 Contract Documents

2.1 The Contract Documents are comprised of the following:

- .1** All written modifications, amendments and change orders to this Agreement issued in accordance with DBIA Document No. 535, *Standard Form of General Conditions of Contract Between Owner and Design-Builder* (1998 Edition) as amended ("General Conditions of Contract");
- .2** This Agreement, including all exhibits and attachments, executed by Owner and Design-Builder; including Addendum#1, dated March 3, 2008.
- .3** Written Supplementary Conditions, if any, to the General Conditions of Contract;
- .4** The General Conditions of Contract;
- .5** Construction Documents prepared and approved in accordance with Section 2.4 of the General Conditions of Contract;
- .6** Design-Builder's Deviation List, if any, contained in Design-Builder's Proposal, and subsequently signed by Owner which that shall specifically identify any and all deviations from Owner's Project Criteria Requirements (Requirements);
- .7** Owner's Project-Criteria Requirements;
- .8** Design-Builder's Price Proposal dated April 9, 2008 (attached as Exhibit A) and Design-Builder's Qualitative Proposal (attached as Exhibit B). The scope of work will include the base price proposal for \$411,000 and Alternate #3 for \$27, 600.00 except for the Deviation List, submitted in response to Owner's Project-Criteria Requirements;
- .9** ~~The following other documents, if any: (Identify, for example, Unit Price Schedules, Design-Builder's allowances, Performance Standard Requirements, Owner's Permit List and any other document Owner and Design-Builder elect to make a Contract Document)~~

Article 3 Interpretation and Intent

3.1 The Contract Documents are intended to permit the parties to complete the Work and all obligations required by the Contract Documents within the Contract Time(s) for the Contract Price. The Contract Documents are intended to be complementary and interpreted in harmony so as to avoid conflict, with words and phrases interpreted in a manner consistent with construction and design industry standards. In the event of any inconsistency, conflict, or ambiguity between or among the Contract Documents is discovered, Design-Builder shall immediately seek clarification from Owner. In the event that Owner fails to clarify such discrepancy within a reasonable period of time under the circumstances, Design-Builder shall proceed with the Work and the Contract Documents shall take precedence in the order in which they are listed in Section 2.1 hereof.

3.2 Terms, words and phrases used in the Contract Documents, including this Agreement, shall have the meanings given them in the General Conditions of Contract.

3.3 The Contract Documents form the entire agreement between Owner and Design-Builder and by incorporation herein are as fully binding on the parties as if repeated herein. No oral representations or other agreements have been made by the parties except as specifically stated in the Contract Documents.

Article 4 Ownership of Work Product

4.1 Work Product. All reports, drawings, plans, specifications and other documents and electronic data furnished by Design-Builder to Owner in connection with its performance under this Agreement ("Work Product") are deemed to be instruments of service and shall become the property of Owner. The State hereby grants Design-Builder the unrestricted right to retain copies of such shall retain the ownership and property interests therein Work Product, and to use this Work Product in the normal course of Design-Builder's business for any lawful purpose. Including the copyrights thereto Owner shall retain the ownership and property interests therein, including the copyrights thereto.

4.2 It is agreed that neither party will be responsible for the other's use of the Work Product for purposes other than the Project, unless there is a written agreement between the parties specifying otherwise. Owner's Limited License Upon Payment in Full. Upon Owner's payment in full for all Work performed under the Contract Documents, Design-Builder shall grant Owner a limited license to use the Work Product in connection with Owner's occupancy of the Project, conditioned on Owner's express understanding that its use of the Work Product is at Owner's sole risk and without liability or legal exposure to Design-Builder or anyone working by or through Design-Builder, including Design Consultants of any tier (collectively the "Indemnified Parties").

4.3 Owner's Limited License Upon Owner's Termination for Convenience or Design-Builder's Election to Terminate. If Owner terminates the Project for its convenience as set forth in Article 8 hereof, or if Design-Builder elects to terminate this Agreement in accordance with Section 11.4 of the General Conditions of Contract, Design-Builder shall, upon Owner's payment in full of the amounts due Design-Builder under the Contract Documents, grant Owner a limited license to use the Work Product to complete the Project and subsequently occupy the Project, conditioned on the following:

- .1** Use of the Work Product is at Owner's sole risk without liability or legal exposure to any Indemnified Party; and
- .2** Owner agrees to pay Design-Builder the additional sum of _____ Dollars (\$ _____) as compensation for the right to use the Work Product in accordance with this Article 4 if Owner resumes the Project through its employees, agents, or third parties.

4.4 Owner's Limited License Upon Design-Builder's Default. If this Agreement is terminated due to Design-Builder's default pursuant to Section 11.2 of the General Conditions of Contract and (i) it is determined that Design-Builder was in default and (ii) Owner has fully satisfied all of its obligations under the Contract Documents, Design-Builder shall grant Owner a limited license to use the Work Product in connection with Owner's completion and occupancy of the Project. This limited license is conditioned on Owner's express understanding that its use of the Work Product is at Owner's sole risk and without liability or legal exposure to any Indemnified Party.

4.5 Owner's Indemnification for Use of Work Product. If Owner uses the Work Product under any of the circumstances identified in this Article 4, Owner shall defend, indemnify and hold harmless the Indemnified Parties from and against any and all claims, damages, liabilities, losses and expenses, including attorneys' fees, arising out of or resulting from the use of the Work Product.

Article 5 Contract Time

5.1 Date of Commencement. The Work shall commence within five (5) days of Design-Builder's receipt of Owner's Notice to Proceed ("Date of Commencement") unless the parties mutually agree otherwise in writing.

5.2 Substantial Completion and Final Completion

5.2.1 Substantial Completion of the entire Work shall be achieved no later than **October 1, 2008** ~~calendar days after the Date of Commencement ("Scheduled Substantial Completion Date").~~

5.2.2 Interim milestones and/or Substantial Completion of identified portions of the Work shall be achieved as follows: not applicable.

5.2.3 Final Completion of the Work or identified portions of the Work shall be achieved as expeditiously as reasonably practicable, but in no event shall Final Completion be achieved later than (30) calendar days after the Scheduled Substantial Completion Date ("Final Completion Date").

5.2.4 All of the dates set forth in this Article 5 ("Contract Time(s)") shall be subject to adjustment in accordance with the General Conditions of Contract.

5.3 Time is of the Essence. Owner and Design-Builder mutually agree that time is of the essence with respect to the dates and times set forth in the Contract Documents.

5.3.1 By executing this Agreement, Design-Builder confirms that the Contract Time includes an allowance for normally adverse weather and is a reasonable period for performing the Work.

5.4 Liquidated Damages

5.4.1 Design Builder understands that if Substantial Completion is not attained by the Scheduled Substantial Completion Date, Owner will suffer damages ~~which that~~ are difficult to determine and accurately specify. Design-Builder agrees that if Substantial Completion is not attained ~~by the~~ days after the Scheduled Substantial Completion Date (the "LD Date"), Designer-Builder shall pay Owner One-Hundred fifty Dollars (\$150.00) as liquidated damages for each calendar day that Substantial Completion extends beyond the LD Scheduled Substantial Completion Date.

5.4.2 Design-Builder understands that failure to expeditiously complete all work remaining to be completed after Substantial Completion will cause Owner damages that are difficult to determine and accurately specify. Design-Builder agrees that if Final Completion is not attained by the Final Completion Date, Design-Builder shall pay Owner One-Hundred fifty Dollars (\$150.00) as liquidated damages for each calendar day that Final Completion extends beyond the Final Completion Date.

5.4.3 The Owner may deduct liquidated damages described in Section 5.4 from any unpaid amounts then or thereafter due Design-Builder under this Agreement. Any liquidated damages not so deducted from any unpaid amounts due Design-Builder shall be payable to Owner at the demand of Owner, together with interest from the date of the demand at a rate equal to the interest rate provided in Section 7.4 of this Agreement.

5.4.4 The liquidated damages provided herein shall be in lieu of all liability for any and all extra costs, losses, expenses, claims, penalties and any other damages, whether special or consequential, and of whatsoever nature incurred by Owner, which are occasioned by any delay in achieving Substantial Completion. ~~(If liquidated damages are applicable to any dates set forth in Section 5.2.2 hereof, this Section 5.4 will need to be modified accordingly)~~

5.5 ~~Early Completion Bonus.~~ If Substantial Completion is attained on or before _____ (_____) days before the Scheduled Substantial Completion Date (the "Bonus Date"), Owner shall pay Design-Builder at the time of Final Payment under Section 7.3 hereof an early completion bonus of or Final Completion Dates. _____ Dollars (\$ _____) for each day that Substantial Completion is attained earlier than the Bonus Date. ~~(If an early completion bonus is applicable to any dates set forth in Section 5.2.2 hereof, this Section 5.5 will need to be modified accordingly)~~

Article 6 Contract Price

6.1 Contract Price. Owner shall pay Design-Builder in accordance with Article 6 of the General Conditions of Contract the sum of Four Hundred Thirty-Eight Thousand, Six Hundred Dollars (\$438,600.00) ("Contract Price"), subject to adjustments made in accordance with the General Conditions of Contract. Unless otherwise provided in the Contract Documents, the Contract Price is deemed to include all sales, use, consumer and other taxes mandated by applicable Legal Requirements.

6.2 Markups for Changes. If the Contract Price requires an adjustment due to changes in the Work, and the cost of such changes is determined under Sections 9.4.1.3 or 9.4.1.4 of the General Conditions of Contract, the following markups shall be allowed on such changes: *(Insert applicable markups)*

The Markups for Changes that include, but are not limited to, overhead and profit shall be determined in accordance with the following schedule:

- .1 For Design-Builder, for Work performed by Design-Builder's own forces or by a majority owned affiliate, ten percent (10%) of the cost.
- .2 For the Design-Builder, for Work performed by Design-Builder's Subcontractor, five percent (5%) of the amount due the Subcontractor.
- .3 For each Subcontractor or Sub-subcontractor involved, for Work performed by that Subcontractor's or Sub-subcontractor's own forces or by a majority owned affiliate, 10 percent (10%) of the cost.
- .4 For each Subcontractor, for Work performed by the Subcontractor's Sub-subcontractors, five percent (5%) of the amount due the Sub-subcontractor.
- .5 No more than two (2) Markups for Changes, not to exceed the maximum percentage amounts shown above, will be allowed regardless of the number of Subcontractors, (e.g., the markup on work subcontracted by the Subcontractor will be limited to the overhead and profit markup on the Sub-subcontractor's cost in addition to Design-Builder's overhead and profit markup).
- .6 On Changes involving both increases and decreases in the Contract Price, home office overhead and profit will be allowed solely on the net increase.

Article 7 Procedure for Payment

7.1 Progress Payments

7.1.1 Design-Builder shall submit to Owner on the first day of each month, and no later than the fifth (5th) day of each month, beginning with the first month after the Date of Commencement, Design-Builder's Application for Payment for the Work performed in the previous month in accordance with Article 6 of the General Conditions of Contract.

7.1.1.1 Applications received after the fifth (5th) day of the month will be treated as if submitted on the fifth (5th) day of the following month.

7.1.2 Owner shall make payment within ~~ten (10)~~ thirty (30) days after Owner's receipt of each properly submitted and accurate Application for Payment in accordance with Article 6 of the General Conditions of Contract, ~~but in each case less the total of payments previously made, and less amounts properly~~

withheld under Section 6.3 of South Dakota Codified Law (SDCL) §§ 5-18-12 and 5-18-13, the General Conditions of Contract.

7.2 Retainage on Progress Payments

7.2.1 Owner will retain _____ percent (____%) of each Application for Payment provided, however, that when fifty percent (50%) of the Work has been completed by Design-Builder, Owner will not retain any additional amounts from Design-Builder's subsequent Applications for Payment. Owner will also reasonably consider reducing retainage for Subcontractors completing their work early in the Project.

7.2.2 Upon Substantial Completion of the entire Work or, if applicable, any portion of the work, pursuant to Section 6.6 of the General Conditions of Contract, Owner shall release to Design-Builder all retained amounts relating, as applicable, to the entire Work or completed portion of the Work, less an amount equal to the reasonable value of all remaining or incomplete items of Work as noted in the Certificate of Substantial Completion.

7.3 7.2 Final Payment. Design-Builder shall submit its Final Application for Payment to Owner in accordance with Section 6.7 of the General Conditions of Contract. Owner shall make payment on Design-Builder's properly submitted and accurate Final Application for Payment within thirty (30) days after Owner's receipt of the Final Application for Payment, provided that Design-Builder has satisfied the requirements for final payment set forth in Section 6.7.2 of the General Conditions of Contract.

7.4 7.3 Interest. Payments due and unpaid by Owner to Design-Builder or Design-Builder to Owner, whether progress payments or final payment, shall bear interest commencing five (5) days after payment is due at the rate of _____ percent (____%) in accordance with SDCL §5-18-12.

7.5 7.4 Record Keeping and Finance Controls. With respect to changes in the Work performed on a cost basis by Design-Builder pursuant to the Contract Documents, Design-Builder shall keep full and detailed accounts and exercise such controls as may be necessary for proper financial management, using accounting and control systems in accordance with generally accepted accounting principles and as may be provided in the Contract Documents. During the performance of the Work and for a period of three (3) years after Final Payment, Owner and Owner's accountants shall be afforded access from time to time, upon reasonable notice, to Design-Builder's records, books, correspondence, receipts, subcontracts, purchase orders, vouchers, memoranda and other data relating to changes in the Work performed on a cost basis in accordance with the Contract Documents, all of which Design-Builder shall preserve for a period of three (3) years after Final Payment.

Article 8

Termination for Convenience of the Agreement

8.1 Termination by Design-Builder. If the Work is stopped for a period of ninety (90) days under an order of any court or any public authority having jurisdiction, or as a result of an act of government, such as a declaration of a national emergency making materials unavailable, through no act or fault of Design-Builder or Subcontractors or their agents or employees or any other persons performing any of the Work under a contract with Design-Builder, then Design-Builder may, upon seven (7) additional days' written notice to Owner, terminate the Contract and recover from Owner payment for all Work executed to the termination date, together with reasonable demobilization costs. The Design-Builder shall have no other right to terminate the Agreement for any reason.

8.2 Termination by Owner. If Design-Builder is in default under the Contract Documents, Owner may, without prejudice to any other right or remedy and upon written notice to the Design-Builder, terminate the Agreement.

8.2.1 Prior to termination of the Agreement, Owner shall give Design-Builder and its surety ten (10) calendar days written notice, during which Design-Builder and/or its surety may rectify the cause of the

termination. If rectified to the satisfaction of Owner within said ten (10) days, the Owner may rescind its notice of termination. If not rectified, the termination for cause shall become effective at the end of the ten (10) day notice period. In the alternative, Owner may postpone the effective date of the termination notice, at its sole discretion, if it should receive reassurances from Design-Builder and its surety that the causes of termination will be remedied in a time and manner which Owner finds acceptable. If at any time more than ten (10) days after the notice of termination, Owner determines that Design-Builder or its surety has not or is not likely to rectify the causes of termination in an acceptable manner or within the time allowed, then Owner may immediately terminate the Agreement for cause by giving written notice to Design-Builder and its surety. In no event shall termination for cause terminate the obligations of Design-Builder's surety on its payment and performance bonds.

8.2.2 Notice of termination, whether initial or given after a period of postponement, may be served upon Design-Builder and the surety by mail or any other means at their last known places of business in South Dakota or elsewhere, by delivery to any officer or management/supervisory employee of either wherever they may be found, or, if no such officer, employee or place of business is known or can be found by reasonable inquiry within three (3) days, by posting the notice at the job site. Failure to accept or pick up registered or certified mail addressed to the last known address shall be deemed to be delivery.

8.2.3 Upon termination of the Agreement, Owner shall take possession of the premises and of all materials, tools, appliances, equipment, and other facilities on the Project, wherever stored, and may finish the Work by whatever method deemed expedient. The Design-Builder shall assign Subcontracts to Owner or to a designated substitute Design-Builder promptly upon request. In such case, Design-Builder shall not be entitled to receive any further payment until the Work is finished and Owner has determined its damages owing to Design-Builder's default.

8.2.4 If the costs of finishing the Work, including compensation for Owner's and Office of the Owner Engineer's additional services made necessary by Design-Builder's default, and all other damages suffered by Owner on account of Design-Builder's default, exceed the unpaid balance of the Contract Price, Design-Builder shall pay the difference to Owner, and this obligation for payment shall survive the termination of the Agreement. If the costs of finishing the Work are less than the unpaid portion of the Contract Price, Owner shall pay the unpaid balance of any amount properly owing to Design-Builder for all Work executed to the date of termination, less actual damages. The Owner will not be obligated to pay any further amounts.

8.2.5 If it should be judicially determined that Owner improperly terminated this Agreement for cause, then the termination shall be deemed to be a termination for the convenience of Owner.

8.3 Termination for Convenience. The Owner may terminate this Agreement at any time without cause, in whole or in part, upon giving Design-Builder notice of such termination. Upon such termination, Design-Builder shall immediately cease Work and remove from the Project site all of its labor forces and such of its materials as Owner elects not to purchase or to assume in the manner hereinafter provided. Upon such termination, Design-Builder shall take such steps as Owner may require to assign to the Owner Design-Builder's interest in all Subcontracts and purchase orders designated by Owner. After all such steps have been taken to Owner's satisfaction, Design-Builder shall receive as full compensation for termination and assignment the following:

- .1 All amounts then otherwise due under the terms of this Agreement,
- .2 Amounts due for work performed subsequent to the latest Request for Payment through the date of termination,
- .3 Reasonable compensation for the actual cost of demobilization incurred by Design-Builder as a direct result of such termination. The Design-Builder shall not be entitled to any compensation for lost profits or for any other type of contractual compensation or damage other than those provided by the preceding sentence. Upon payment of the foregoing, Owner shall have no further obligations to Design-Builder of any nature.

8.3.2 In no event shall termination for the convenience of Owner terminate the obligations of Design-Builder's surety on its payment and performance bonds on all work performed up to the date of termination for convenience.

(The following Article 9 should be used only if the Owner and Design-Builder agree to establish their respective representatives at the time the Agreement is executed rather than during the performance of the Project.)

Article 9 Representatives of the Parties

9.1 Owner's Representatives

9.1.1 Owner designates the individual listed below as its Senior Representative ("Owner's Senior Representative"), which individual has the authority and responsibility for avoiding and resolving disputes under Section 10.2.3 of the General Conditions of Contract: *(Identify individual's name, title, address and telephone numbers)*

9.1.2 Owner designates the individual listed below as its Owner's Representative, which individual has the authority and responsibility set forth in Section 3.4 of the General Conditions of Contract: *(Identify individual's name, title, address and telephone numbers)*

9.2 Design-Builder's Representatives

9.2.1 Design-Builder designates the individual listed below as its Senior Representative ("Design-Builder's Senior Representative"), which individual has the authority and responsibility for avoiding and resolving disputes under Section 10.2.3 of the General Conditions of Contract: *(Identify individual's name, title, address and telephone numbers)*

Rich Ivey, P.E.
Project Engineer
Office of the State Engineer
523 E. Capitol Ave.
Pierre, SD 57501
605 773 6512

9.2.2 Design-Builder designates the individual listed below as its Design-Builder's Representative, which individual has the authority and responsibility set forth in Section 2.1.1 of the General Conditions of Contract: *(Identify individual's name, title, address and telephone numbers)*

Zach Greene
Director of Technical Services
Southern Folger Detention Equipment Company LLC
4634 S. Presa
San Antonio TX 78223
210 531 4154

Article 10 Bonds and Insurance

10.1 Insurance. Design-Builder shall procure insurance in accordance with Article 5 of the General Conditions of Contract ~~the following insurance coverage: (Attach Insurance Schedule indicating the required coverage, amount of required coverage, duration of coverage, required rating of insurance carriers and any other insurance requirements required of the parties).~~

10.2 Bonds and Other Performance Security. Design-Builder shall provide the following performance bond and labor and material payment bond or other performance security: *(Insert the amount of bonds and any other conditions of the bonds or other security)* in accordance with Article 5 of the General Conditions of the Contract.

Article 11
Other Provisions

11.1 Other provisions, if any, are as follows: *(insert any additional provisions)*

11.1.1 Notices - All Notices, demands and other communications required by the Contract Documents to either party by the other shall be in writing and shall be deemed to have been duly given if personally delivered or sent by a nationally recognized, overnight delivery service addressed as follows:

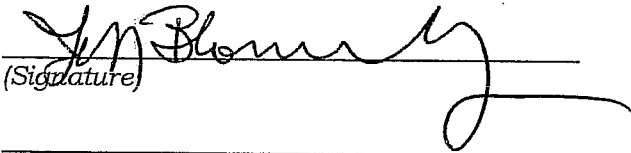
To Owner: Kristi Honeywell, P.E., State Engineer
Office of the State Engineer
523 E. Capitol
Pierre, SD 57501-3182

To Design-BUILDER: Zach Greene, Director of Technical Services
Southern Folger Detention Equipment Company LLC
4634 S. Presa
San Antonio TX 78223

In executing this Agreement, Owner and Design-BUILDER each individually represents that it has the necessary financial resources to fulfill its obligations under this Agreement, and each has the necessary corporate approvals to execute this Agreement, and perform the services described herein.

OWNER:

South Dakota Bureau of Administration

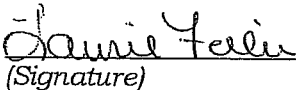

(Signature)

Jeff Bloomberg

Commissioner

Date: 5/30/08

South Dakota Department of Corrections


(Signature)

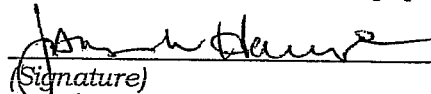
Tim Reisch

Secretary - Deputy Secretary

Date: 6-2-08

DESIGN-BUILDER:

SOUTHERN FOLGER DETENTION EQUIPMENT CO.
Southern Folger Detention Equipment Co. LLC


(Signature)

JAMES W. HARRIS
(Printed Name)

VICE PRESIDENT
(Title)

Date: 5-28-2008

Caution: You should sign an original DBIA document which has this caution printed in blue. An original assures that changes will not be obscured as may occur when documents are reproduced.

EXHIBIT "A"

Design-Build
Price Proposal Form

South Dakota Women's Prison
Detention Equipment Replacement
3200 E. Highway 34
Pierre, SD 57501
OSE# C2008-01/SWMP

4/9/2008
(Date)

To: State Engineer, Office of the State Engineer
Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501

The undersigned, being familiar with the local conditions affecting the work, and with the Request for Proposal Documents, including Request for Design-Build Proposals, the Asbestos Statement, Instructions to Design-Builders, Price Proposal Form, Facsimile Modification to Price Proposal Form, Proposal Bond Form, Form of Performance and Payment Bond, Acknowledgment of Surety, Design-Build Agreement, Design-Build General Conditions, Special Conditions, Performance Criteria, Plans and Addenda which govern the purchase of material and labor and the awarding of contracts hereby proposes to do all the work and provide all the material and equipment which pertains to ^, South Dakota, OSE# ^ as provided for in the Design-Build Project Manual dated ^, 2000 for the following Lump Sum price:

LUMP SUM PRICE

FOUR HUNDRED ELEVEN THOUSAND DOLLARS (\$ 411,000)

For informational purposes only, the Proposer shall state the estimated price proposed for each of the following alternates:

ADD
ALTERNATE #1 (see criteria #3 for description)

FORTY SIX THOUSAND DOLLARS (\$ 46,000)

ADD
ALTERNATE #2 (see criteria #4 for description)

ONE HUNDRED EIGHT THOUSAND DOLLARS (\$ 108,000)

ADD
ALTERNATE #3 (see criteria #5 for description)

TWENTY SEVEN THOUSAND SIX HUNDRED DOLLARS (\$ 27,600)

The individual alternate price shall be used by the Owner for funding determination purposes only and the cost will not be used to determine successful Proposer, but will be used to evaluate the Qualitative Proposals as described in the Instructions to Design Builders.

Changes shall be processed in accordance with Article 9 of the Design-Build General Conditions.

The above Price Proposal includes all applicable State and Municipal Sales and Use Taxes on materials, and State and Municipal Excise Taxes and all other State and Federal Taxes that would affect the amount of the Proposal. (See Instructions to Design-Builders - SD Sales and Use Tax Information for Public Contracts.)

In addition, any material furnished by the State for use in this project is subject to Use Tax. The total taxable value of materials furnished by the State for this project is \$ 0.00.

A Performance and Payment Bond as required by the Instructions to Design-Builders will not be required on contracts which do not exceed Fifty Thousand Dollars (\$50,000). (See SDCL 5-21-1.1 as amended). If discrepancies remain at the time of substantial completion, a value will be assigned to each of the discrepancies and two (2) times their estimated value will be retained from payment to the Design-Builder until completed and accepted. (See SDCL 5-18-13 as amended).

Within ten (10) days after Proposer's receipt of the Agreement Between Owner and Design-Builder, the Proposer shall submit to the Office of the State Engineer, the executed Agreement Between Owner and Design Builder, Performance and Payment Bond, Certificates of Insurance and Affirmative Action Plan (if applicable).

Work shall be commenced within ten (10) consecutive calendar days after written Notice to Proceed by the State Engineer. Actual construction work shall be substantially complete on or before January 1, 2009.

The undersigned acknowledges receipt of the following addenda to the Request for Proposal Documents (give number and date of each):

Addenda Nos. 1 dated 4/3/08 respectively.

The undersigned acknowledges that they have read and understand the Asbestos-Containing Materials Statement contained in the project manual.

Accompanying this proposal is a certified check, cashier's check or draft in the amount of 5% of the Proposal amount and all add alternates, and drawn on a State or National Bank in the amount of \$ or a 10% bid bond issued by a surety authorized to do business in the State of South Dakota, in the amount of \$ 10% OF BID. (Not applicable if Proposal is under \$50,000.)
INCLUDING ALTERNATES

In submitting this Price Proposal, it is understood that the right is reserved by the Owner to reject any and all Proposals and to waive any irregularities. It is further understood by the Proposer that he may not withdraw his Proposal within 30 days after the actual opening thereof.

PROPOSER: Southern Edger Detention Equipment Company LLC
(Type Name of Firm)

BY: _____

(Signature of Firm's Representative)

JAMES W. HARRIS VICE PRESIDENT

(Type Name and Title of Firm's Representative)

TELEPHONE NO. 210-533-1231

FACSIMILE NO. 210-533-2211

BUSINESS ADDRESS 4634 S. PUEBLO

SAN ANTONIO, TEXAS 78223

STATE OF INCORPORATION TEXAS

**OFFICE OF THE STATE ENGINEER
PERFORMANCE & PAYMENT BOND INSTRUCTIONS**

No bond form other than the one provided by the Office of the State Engineer (hereinafter OSE) will be approved by the Attorney General's Office without their prior approval. Electronic versions of the enclosed bond form may be obtained from the web page of the Office of the State Engineer, providing the exact wording is retained: <http://www.state.sd.us/boa/ose/>

GENERAL

The most common errors include lack of titles, lack of acknowledgements, and incorrectly dated acknowledgements. The State of South Dakota requires that:

1. All bonds must be acknowledged and signed by both the principal and surety or attorney-in-fact. Signatures on the bond form must be original. In order to easily distinguish an original signature from a photocopied one, it is strongly recommended that signatories use ink colored other than black (such as blue) for writing signatures.
2. The Power of Attorney must be dated the same day as the bond.
3. "Strike-outs" and "white-outs" are unacceptable. Such bonds will be returned for re-execution.

PAGE 1

1. Fill in the name and addresses of the Contractor (Principal) and the Surety's address from the Power of Attorney. Be sure to use the Surety's main corporate office address, not a branch office address.
2. Be sure to use the exact dollar amount from the contract on the Performance and Payment Bond.
3. Use the Project Name, Location, and OSE Project Number from the contract on the Bond.

PAGE 2

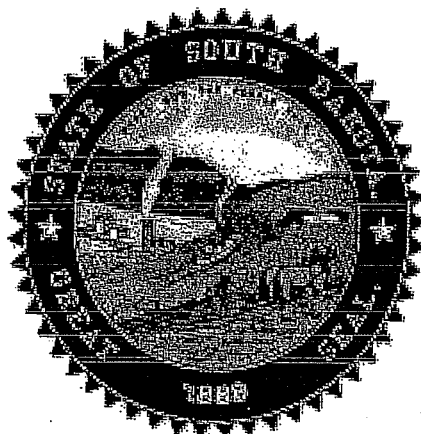
1. Fill in the date of the Bond.
2. Complete principal's signature and title. The principal must be the president, vice president, secretary or treasurer. The name and title of the principal must be identical in all sections of the bond. IF the principal executing the bond is NOT the president, vice president, secretary, or treasurer of the firm, a certificate of authority to bind the corporation must be completed.
For example, if the manager of a company is signing and acknowledging as principal, the certificate of authority must be signed by a corporate officer (president, vice president, secretary, or treasurer). Do not execute the certificate of authority with the signature of the same party. This error occurs too frequently and delays the approval of many bonds. A corporate officer must verify the manager (include title) has the authority to execute bonds on behalf of the firm and include his title in the certificate of authority. This certificate must be signed in ink and dated the same day as the bond.
3. Complete the section pertinent to the Surety. If the bond is executed by an attorney-in-fact for the Surety Company or an officer of the Surety Company, his or her signature must be acknowledged and a copy of his or her authority in the form of a Power of Attorney must be attached to the bond.
4. Provide the Surety's South Dakota Insurance Division License Number. Provide the name and South Dakota Insurance Division License Number for the agent producing the Surety Bond.
If the Surety company is not based in South Dakota, then one person listed on the Power of Attorney must fill in all sections for the Surety including the Individual, Partnership or Corporate Surety Section and the Producer's (Agent's) Name and Producer's SD License Number on the bond. If the Surety company is based in South Dakota, then a separate agent with his/her name on the Power of Attorney is able to fill in the Producer's (Agent's) Name and Producer's SD License Number on the Bond.

PAGES 3-4: ACKNOWLEDGEMENTS

1. Acknowledgement of principal must be completed and dated on or after the contract date (signed & sealed date) of the bond. The principal acknowledging the bond must be the same party who signs on the face of the bond. For example, if the president of a corporation signs as principal on the face of the bond, he or she must also complete the acknowledgement of principal.
2. Bonds must be acknowledged by surety or attorney-in-fact and dated on the contract date of the bond (signed and sealed date).
3. Power of Attorney must be attached to the bond and be dated the contract date of the bond. The attorney-in-fact acknowledging the bond must be identified in the Power of Attorney as having the power to bind the surety. Do not have two different attorneys-in-fact acknowledge your bond and Power of Attorney.
4. If the Power of Attorney attached to the bond is a copy and not an original, we need one of the following:
 - a) A letter certifying a copy of the Power of Attorney is recognized by the company.
 - b) A Certificate stating a copy of the Power of Attorney is recognized by the company.The letter or certificate stating that a copy of the Power of Attorney is acceptable should be executed by a president, vice president, secretary, treasurer or attorney in fact of the bonding company.
5. Check to be sure that each section is correctly completed by the notary, including the notary's signature and date of commission. Each section of the bond is separate and must be notarized separately.

**South Dakota Women's Prison
Detention Equipment Replacement
3200 E. Highway 34
Pierre, SD 57501
OSE# C2008-01X/SWMR**

Qualitative Proposal



Qualitative Proposal Index

1. Description of System Operations – Door Control, PLC, Intercom Control, CCTV Control and Utility Control
2. Touch Screen Theory of Operation
3. Refurbish/Upgrade of Existing Door Hardware
4. Electronic Control System Block Diagram
5. Door Control System Block Diagram
6. Intercom and Paging System Block Diagram
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8. Alternate #2 – CCTV
9. Alternate #3 – Gate Control

SOUTH DAKOTA WOMEN'S PRISON DETENTION EQUIPMENT REPLACEMENT DESCRIPTION OF SYSTEM OPERATIONS

ELECTRONIC CONTROL SYSTEM (ECS)

The Electronic Control System for the South Dakota Women's Prison is an integrated facility management system. The system is comprised of a touch screen HMI interface with programmable logic controllers and the following subsystems; Door Control, Intercom/Paging, Cellblock Lighting Control, Cellblock Receptacle Control, and Video Surveillance. These subsystems are interfaced via relay contacts to the PLC.

The communication backbone of the system will be an Ethernet network consisting of two network switches located in equipment rooms A1111 and D2060.

The programmable logic controller (PLC) GE/Fanuc 90-30 model will perform the interface and control for the sub-systems mentioned. Refer to the PLC section of this document for more detailed information.

The new 19" desk top touch screen stations will be located where the existing major control panels are now located (Central Control and in the Housing Control Room). There will be the capability, with an authorized logon password, for the touch screen located in Central Control to take over the touch screen located in the Housing Control Room. The two stations will provide an operator interface to the control network and each will be connected to a network switches via Ethernet, allowing them to exchange data with each other and the PLC's on the network. Please refer to the Touch Screen Theory of Operation for more information.

PROGRAMMABLE LOGIC CONTROLLER (PLC)

The Programmable Logic Controller (PLC) is industrial grade, general purpose in nature, and not custom designed for a specific application. The PLC will become location and operation specific upon installation of input/output modules and programming. The GE Fanuc PLC system is of modular design with a plug-in processing unit, input/output modules or assemblies, and plug-in peripherals. All necessary cables are included. All components of the PLC system are capable of continuous operation at temperatures of 32 - 140 degrees F (0 - 60 oC) and humidity levels of 5 - 95% non-condensing. PLC input power is 120 Volts AC. The CMOS static RAM has a battery backup system capable of retaining all memory for a minimum of six (6) months, and shall require no external or special vents. This battery voltage is constantly monitored. When the battery voltage goes below a predetermined level, an alarm is sounded on the designated control station.

The new GE Fanuc PLC processors will be located in each equipment room with communications to the touch screen via the Ethernet control system network. In case of communications failure to the network the PLC shall continue to function as a stand-alone controller.

Configuration of the PLC system includes a primary rack, which holds a power supply, central processing unit (CPU) and digital Input and output cards (I/O cards). The primary rack can hold 9 I/O cards for a "10" card rack and 4 I/O cards for a "5" card rack. Each input or output card can accept 32 points. In the case that additional cards are necessary more racks may be added via a connecting cable.

The CPU contains the logic that operates the outputs for doors, lights, and panel control functions. Input signals, such as card reader relays are interfaced into the PLC for control action by the electronic control system.

The 90/30 PLC is supported and programmed with GE Fanuc's VersaPro software package. VersaPro is capable of the following: password securities, online program development and monitoring, PID loop programming, screen prompted processor programming instructions, off-line processor program development, download to PLC of off-line program, annotated program documentation, coil verification and advanced processor diagnostics.

The PLC shall directly receive all status signals from field devices and annunciate to the touch screen control stations. A battery back-up system is provided for the security systems. The door lock power is not included as part of the UPS backed equipment.

INTERCOM CONTROL SYSTEM (ICS)

The proposed intercom and Paging system is a PLC integrated facility wide system for half-duplex, control station-to-intercom station communication, with audio direction being controlled at the control station.

The system is comprised of one Dukane 9A1875B amplifier per touch screen and multiple Intercom relay boards located in the two security equipment rooms (A1111 and D2060). The amplifiers are connected to their respective Intercom Master Station and intercom relay boards via shielded audio cabling. The intercom relay boards are connected to their respective PLC via multi-conductor PLC input/output cabling.

When an intercom call-in pushbutton is depressed, it generates an input to the corresponding intercom relay board station, which in turn sends the input to the local PLC. The Electronic Control System (ECS) will process the input and take the appropriate action. Generally this will be to send an output to the touch screen icon and sound an audible tone, indicating an intercom call-in. The operator will then select the station from the touch screen. The selection for the intercom will be sent from the ECS through the PLC to the corresponding intercom relay board station, which will energize, opening up the audio path for communication. Please refer to the Touch Screen Theory of Operation for more information.

The existing remote intercom stations and paging speakers/horns will be re-used. Each touch screen control station will be provided with a Master Intercom Station, which consists of a panel mounted speaker; condensed microphone, volume control switch, and a panel mounted push-to-talk (PTT) switch.

CCTV CONTROL

The existing eleven CCTV cameras that are currently called-up from the control panel located in Central Control will be integrated into the new Electronic Control System utilizing interposing relays. The functionality of these cameras will remain the same. All headend, power supplies, field devices, and cable/wire associated with this system will be re-used.

UTILITY CONTROL

The existing controlled cellblock lights and receptacles will be integrated into the new Electronic Control System. All existing lighting contactors/relays will be re-used. Please refer to the Touch Screen Theory of Operation for more information.

TOUCH SCREEN THEORY OF OPERATION

**South Dakota Women's Prison
Pierre, South Dakota**

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I. Getting Started

A. Welcome Screen

When the application is started, the Welcome Screen will be the first screen that appears. The following items appear on the Welcome Screen:

- Logo of the Owner/User
- Visual Image/Perspective of the facility
- The Project name
- Logo
- The Touch Screen station number.
- Log On icon.

LOGGING ON

Select the "Log On" icon to access the Log On window. The Log On window prompts the user to enter their user name and password. A touch keyboard will appear to allow the user to enter the appropriate characters for their User ID. At the top of the keyboard, the user is prompted to enter their User ID. The text entered will be visible. Touch the "Enter" key to accept the typed characters.

After the User ID is entered, the keyboard will prompt the user to enter their Password. The password entered will be visible only as "****". Touch the "Enter" key to accept the typed characters. If the User ID and password are valid in the system, the user will be logged onto the system and the Main Screen will be displayed. If the User ID and password are not correct, the user will have to repeat the Log On process.

The Welcome Screen will be displayed on system boot-up. Touch screen operators will not have access to any Microsoft Window's functions.

A screen saver will be activated when the user has been logged off for more than 5 minutes. A text message will advise the user to "touch the screen" to resume operation. Windows screen savers and power management functions will be disabled.

B. Main Screen

After an operator is logged on the primary control area for that TS will be displayed.

The following icons will be available on this screen:

- LOG OFF icon – will display a dialogue box that provides a choice to LOG OFF, CHANGE USER, or CANCEL. Confirmation of LOG OFF shall log the operator out of the system and display the Welcome Screen. Selection of CHANGE USER will log the operator out of the system and display the User ID window. (See the Welcome Screen description) Activities will continue to be received and held in the Alarm Window during this process. Selecting CANCEL will return the operator to normal operations.

C. Menu Bar

The Menu Bar is located at the bottom of the screen when viewing any TS map with the exception of the Welcome Screen and the Clean Screen. The following items are located in the Menu Bar. (Some of the icons are not available until they are required for use.)

Activity List

The Activity List identifies and annunciates events to the operator.

The title line will include columns for the following: the time the activity was received, status, and an activity description. The list will have a minimum of five lines displayed, and an unlimited number of non-displayed lines.

The first line in the list will be pre-selected and visually highlighted for selection by the SELECT icon. Icons will also be provided for scrolling UP and DOWN the Alarm Window for alternate selection. The selection will be highlighted with a "blue" background color and "white" text.

Incoming activities will be placed in the Activity List based on their assigned priority. Higher priority alarms will be inserted above lower priority alarms. Activities of a common priority will be arranged in first in first out sequence. Active alarms will be displayed with red text, and acknowledged alarms will be displayed with yellow text. An audible alarm will sound upon receipt of an alarm.

SELECT ICON

The Select icon is located to the right of the Alarm Window Scrolling icons. It will be available when there are any active alarms in the system. Touch the Select icon to display the TS map associated with, and select the alarming device. The appropriate action icons on the Menu Bar will be available for the alarm selected.

IC RESET ICON

This icon is located directly below the Select icon. It will be available when an intercom or page is active. When touched, this icon will turn off (disconnect) the intercom(s)/page. Movement to a new map will automatically turn off the selected intercom station.

LOG OFF ICON

This icon is available when viewing all screens. Selecting this icon will display a dialogue box that provides a choice to LOG OFF, CHANGE USER, or CANCEL.

DOOR CONTROL ICONS

The applicable door control icons will be displayed when a door icon is selected from a TS area map. When no door is selected, the three spaces for these icons will be blank. The following icons will be used to control door actions.

- OPEN/STOP/CLOSE – these three control icons appear when a fully controlled sliding door is selected.
- UNLOCK – this control icon appears when a swing door icon is selected.

EMERG RELEASE

Available when an area screen is displayed that requires the Emergency Release capability. Selection of this icon will display a dialogue box with icons that allow emergency release of all the cells/doors within the area.

AUXILIARY CONTROL ICON

Available when a map is displayed that utilizes auxiliary controls. Selecting this icon will display lighting and electrical outlet icons used to operate the Auxiliary Controls for the area map being viewed.

1. **Lights**

When selected the LIGHT Icon will turn yellow for on or gray for off.

2. **Electrical Outlet Control**

When selected the Electrical outlet icon shows green for on or gray for off.

UTILITY ICON

Available from all screens except the Utilities screen, Welcome Screen and the Clean Screen. When touched, the Main Utilities screen will be displayed. This screen gives the user access to all authorized utility functions.

D. Side Bar

This side bar is located on the right side on the screen. The following items are on the Side Bar:

- Date/Time – The current system date and time are displayed at the top of the Side Menu Bar.
- Map Number/Title – The title and number of the current map being viewed are displayed just below the Date/Time.
- The PLC malfunctions are displayed in the area just below the Map Number/Title information.

E. Screen Navigation

There are navigation buttons on authorized area maps. Touching any of these buttons will display the corresponding adjacent area map. The navigation icon is a square button with a Blue arrow pointing in the direction of travel.

II. Door Control Functions

A. Swing Doors

The Swing door is displayed by a single line. When the door is open, the line will be red and shown at an angle to the door opening. When the door is closed, the line will be gray and will cover the door opening on the screen.

To operate the door(s), select the icon located at the Door. This activates the appropriate Door Control icons located in the lower menu bar. Touch the Unlock icon to perform the required action.

Selecting the Unlock icon will cause the door to unlock. The locking device will be controlled to retract the lock bolt and hold for 3 seconds. (unless otherwise directed)

B. *Sliding Doors/Overhead Doors*

The Slider door is displayed by a single line slightly offset from the door opening. When the door is open, the line will be red and sliders shown at an "Open" position to the door opening.

To operate the door, select the icon located at the Door. This activates the appropriate Door Control icons located in the lower menu bar. Select the Open, Stop, or Close icon to perform the required action.

C. *Monitored Only Doors*

A circle on the door opening displays a door that is monitored but not controlled. If the door is secure then the circle will be gray. If the door is not secure then the circle will be red.

D. *Emergency Release*

The Emergency Release function is provided for cell areas. This function is only available at the central control touch screen station.

Selecting the Emergency Release icon will pop up a dialogue window. When activated, the Emergency Release function will open all cell doors in the associated area. The doors will remain unlocked until the Emergency Release function is reset.

Once Emergency Release is activated, the pop-up dialogue window will become a "Reset" function. When the reset mode is activated, the doors will no longer be "Held" open. The swing doors will re-lock if the doors are manually closed.

The text "Emergency Release" will be flashing/red in the Side Menu Bar as long as any emergency group is active. On the area map, all Emergency released doors will be flashing and red.

E. *Interlock / Override*

An Interlock Override function is provided for each door that is part of an interlock group. The Interlock function prevents more than one door in an interlock group from being opened (electrically) at a time. The Override function allows the operator to defeat the interlock and open more than one door in the group.

An attempt to open a door that is part of an interlock group while another door in the group is open will cause a dialogue box to be displayed, indicating the presence of an interlock.

The dialogue box will include **Override** and **Cancel** icons. Selecting the **Override** icon will defeat the interlock and unlock the previously selected door. Selecting the **Cancel** icon will close the dialogue box without overriding the interlock.

III. Audio Control Functions

A. *Intercoms*

Intercom calls are added to the Alarm Window located on the left side of the lower Menu Bar. When the intercom call (event) in the Alarm Window is selected, the system will display the appropriate floor plan screen and turn on the calling intercom station.

The Intercom is represented by a speaker icon. When the channel is active, the icon will be solid yellow with blinking radiating lines. If the channel is inactive the icon will be gray. If a call is pending, the icon will be flashing yellow.

To answer a call in the list, touch the "Select" icon or the calling intercom's icon. The associated screen will display and the calling intercom will be solid yellow with blinking radiating lines. Any other pending intercom calls on the displayed screen will be flashing yellow icons.

To select an intercom on a screen, touch the associated icon and the channel will become active. The selected intercom will be solid yellow with blinking radiating lines.

To turn off an intercom, select the "IC Reset" icon located on the lower Menu Bar, touch the "Select" icon to respond to the next event, select another intercom or page icon, or change screens.

B. *Paging*

Selecting the "Paging" icon(s) on the TS maps accesses the paging system. When selected, the paging to that area will toggle on/off, similar to intercom functions.

IV. Card Access Control Functions (Alternate #1)

A yellow card reader icon represents a card reader. Upon a valid card read, a call-in is generated. A card reader call-in functions similar to an intercom call-in.

Card reader calls are added to the Alarm Window located on the left side of the lower Menu Bar. When the card reader call (event) in the Alarm Window is selected, the system will display the appropriate floor plan screen.

To answer a call in the list, touch the "Select" icon or the calling card reader's icon. The associated screen will display.

V. Closed Circuit Television (CCTV)

A green camera icon with a white center represents a selected camera. When not selected, the camera icon will be gray. Cameras related to an activity (intercom, door alarm) will be automatically selected when an item is selected on a map, or from the activity list. To manually select a camera, just touch the camera icon. Touch a second time to turn the camera off.

VI. Alarms

When an Alarm is activated (Unless otherwise stated) it can be selected by one of the following methods: Touching the "Select" icon button on the menu bar (the screen will then change to the location of the Alarm and select it) or by selecting the alarm icon on the screen. When the alarm icon on the area map is selected, the "Alarm" button on the menu bar will be available and any associated camera will be called up. The alarm button will show the associated "Alarm" dialogue box, which allows the alarm to be "Silenced" (acknowledged) or "Reset".

A. Panic Alarms

When a Panic alarm is activated, an audible alarm will occur on the touchscreen station that has control of the area. The Alarm will be displayed in the alarm queue.

B. Door Alarms

When a controlled or monitored door is open without authorization, an audible alarm will sound touchscreen station that has control of the area.

C. System Alarms

The correct action for all system alarms is to please contact maintenance.

PLC ALARMS

The electronic security systems main processors are monitored for selected alarm functions. Alarms will be displayed on the touch screen station via the Side Menu Bar. The text message "PLC Malfunction" will be flashing when an alarm has occurred. Touching the flashing text will display a pop-up window that will show what the problem is and which PLC is effected. These alarms will clear themselves when the problem is corrected.

UPS ALARMS

A battery back-up system is provided for the security systems. Alarms will be displayed on the touch screen station via the Side Menu Bar. The text message "UPS Message" will be flashing when an alarm has occurred. Touching the flashing text will display a pop-up window that will show what the problem is and which equipment room is effected. These alarms will clear themselves when the problem is corrected.

VII. Utilities

A. Set Date/Time

This screen allows for the current date and time to be set.

B. Time 24 Hour

Activation of this icon changes the time from a 24 hour clock ("military time") to a 12 hour clock (AM and PM).

C. Config Users (Administrative User Only)

When the Config Users button is selected, the system will display a window to add/edit the user's name, password, and access level. To add/edit, the operator enters the new data, and then selects the "ADD" or "UPDATE" button. To delete a user, select the user and touch the "DELETE" button. When completed, the operator must select the "OK" button to return to the Main Screen.

D. Clean Screen Time

This is used to adjust the time needed to clean the screen.

E. Clean Screen

Touching the "Clean Screen" icon shall cause a blank screen with the message "Clean Screen" to be displayed with a countdown timer. The countdown timer is preset at 15 seconds. The last five (5) second shall flash a warning message, **TIMER IS EXPIRING, STOP CLEANING AND DO NOT TOUCH**. Upon expiration of the timer the previous screen will be displayed.

F. Calibration Screen

This screen provides allows the operator to calibrate the Touch features of the touch screen monitor.

G. Panel Control (Administrative User Only)

When the Touchscreen operator selects the **PANEL CONTROL** icon, a Panel Control screen will be displayed. This screen will have control icons for both touch screens that can transfer control. These icons will allow the user to enable/disable the other control station and will display the current status of the stations.

VIII. Miscellaneous

A. Screen Saver

When a Touchscreen station has been inactive for 5 minutes, the Touchscreen will switch to a screen saver mode. The screen saver consists of a logo moving around on the screen. To return to normal operation, touch the logo. The previous screen will appear.

**SOUTH DAKOTA WOMEN'S PRISON
DETENTION EQUIPMENT REPLACEMENT
DESCRIPTION OF SYSTEM OPERATIONS**

REFURBISH/UPGRADE OF EXISTING DOOR HARDWARE

10120AMD – The following work will be completed for 32 each 10120AMD locks:

- Calibrate and align doors per manufacturer's specifications.
- Clean internal components of locking mechanism.
- Install OEM 10120AMD repair kit. Kit to include new motor assembly, new limit switches, and new internal parts and components as required.
- Adjust locking mechanism to maximum setting and engagement.
- Check for proper operation of locking mechanisms per manufacturer's specifications.
- Remove excess lubrication.
- Lubricate locking mechanism with proper lubricant.
- Calibrate limit switch adjustment settings for correct indication.
- Test individual key release and re-locking functions.
- Test electrical operation of door control and proper indication.
- Furnish all labor, tools, materials, travel, and ancillary expenses required to complete the scope of work as described herein.

10120AE – The following work will be completed will be completed for 5 each 10120AE locks:

- Calibrate and align doors per manufacturer's specifications.
- Clean internal components of locking mechanism.
- Install OEM 10120AE repair kit. Kit to include new motor assembly, new limit switches, and new internal parts and components as required.
- Adjust locking mechanism to maximum setting and engagement.
- Check for proper operation of locking mechanisms per manufacturer's specifications.
- Remove excess lubrication.
- Lubricate locking mechanism with proper lubricant.
- Calibrate limit switch adjustment settings for correct indication.
- Test individual key release and re-locking functions.
- Test electrical operation of door control and proper indication.
- Furnish all labor, tools, materials, travel, and ancillary expenses required to complete the scope of work as described herein.

10300E – The following work will be completed will be completed for 20 each 10300E locks:

- Calibrate and align doors per manufacturer's specifications.
- Clean internal components of locking mechanism.
- Install OEM 10300E repair kit. Kit to include new motor assembly, new limit switches, and new internal parts and components as required.
- Adjust locking mechanism to maximum setting and engagement.
- Check for proper operation of locking mechanisms per manufacturer's specifications.
- Remove excess lubrication.
- Lubricate locking mechanism with proper lubricant.
- Calibrate limit switch adjustment settings for correct indication.
- Test individual key release and re-locking functions.
- Test electrical operation of door control and proper indication.

- Furnish all labor, tools, materials, travel, and ancillary expenses required to complete the scope of work as described herein.

1080 – The following work will be completed will be completed for 5 each 1080 locks:

- Calibrate and align doors per manufacturers specification.
- Clean internal components of locking mechanism.
- Install new OEM paracentric tumbler sets.
- Adjust locking mechanism to maximum setting and engagement.
- Check for proper operation of locking mechanisms per manufacturer's specifications.
- Remove excess lubrication.
- Lubricate locking mechanism with proper lubricant.
- Test individual key release and re-locking functions.
- Furnish all labor, tools, materials, travel, and ancillary expenses required to complete the scope of work as described herein.

1070 – The following work will be completed will be completed for 2 each 1070 locks:

- Calibrate and align doors per manufacturers specification.
- Install new OEM paracentric tumbler sets
- Clean internal components of locking mechanism.
- Adjust locking mechanism to maximum setting and engagement.
- Check for proper operation of locking mechanisms per manufacturer's specifications.
- Remove excess lubrication.
- Lubricate locking mechanism with proper lubricant.
- Test individual key release and re-locking functions.
- Furnish all labor, tools, materials, travel, and ancillary expenses required to complete the scope of work as described herein.

10514 – The following work will be completed will be completed for 6 each 10514 locks:

- Calibrate and align doors per manufacturers specification.
- Install OEM repair parts as required to maintain manufacturer's operating tolerances and specifications.
- Clean internal components of locking mechanism.
- Adjust locking mechanism to maximum setting and engagement.
- Check for proper operation of locking mechanisms per manufacturer's specifications.
- Remove excess lubrication.
- Lubricate locking mechanism with proper lubricant.
- Test individual key release and re-locking functions.
- Furnish all labor, tools, materials, travel, and ancillary expenses required to complete the scope of work as described herein.

10380 – The following work will be completed will be completed for 1 each 10380 lock:

- Calibrate and align doors per manufacturers specification.
- Clean internal components of locking mechanism.
- Adjust locking mechanism to maximum setting and engagement.
- Check for proper operation of locking mechanisms per manufacturer's specifications.

- Remove excess lubrication.
- Lubricate locking mechanism with proper lubricant.
- Test individual key release and re-locking functions.
- Furnish all labor, tools, materials, travel, and ancillary expenses required to complete the scope of work as described herein.

3165LPK-2 – Remove 3 each 3165LXPK-2 sliding door operators and replace with current production model OEM sliding door operators.

- Remove the existing locking devices, receiver jambs, pilaster, and associated door trim.
- Furnish and install new door hanger and door bottom guide on the existing door.
- Furnish and install a new current production model OEM locking device with a hinged cover panel.
- Furnish and install a new manual release pilaster with a new OEM keyswitch and new OEM paracentric lock.
- Furnish and install a new vertical lock column, and vertical lock bar.
- Furnish and install a new receiver jamb and closure angle.
- Test, and adjust new locking system.
- Furnish only operations and maintenance manuals.
- Furnish all engineering, CAD work, and drafting required to complete the scope of work as described herein.
- Furnish all labor, tools, materials, travel, and ancillary expenses required to complete the scope of work as described herein.

DPS – The following work will be completed at 82 each DPS units

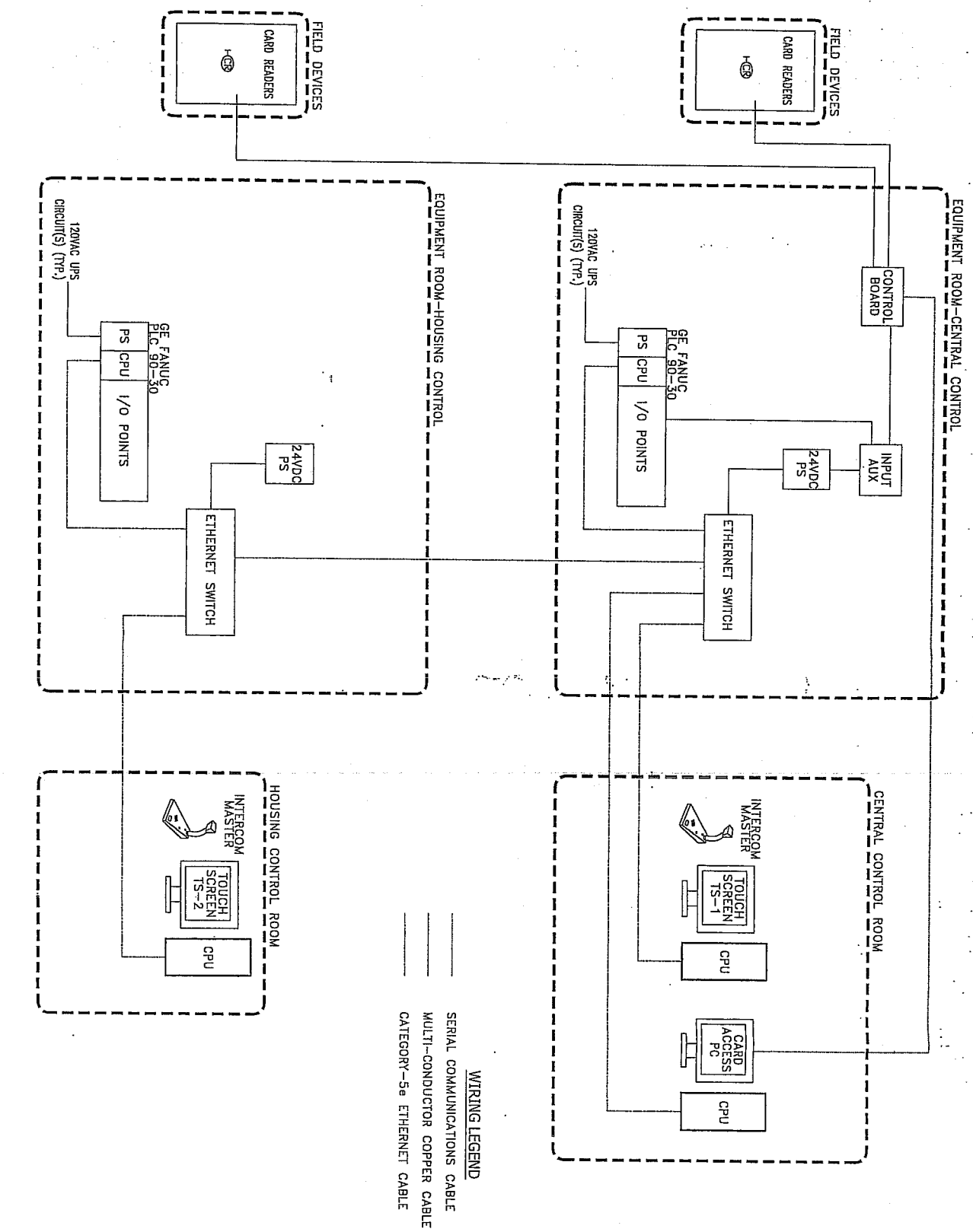
- Inspect for proper mechanical and electrical function.
- Clean internal components of mechanism.
- Install OEM repair parts as required to maintain manufacturer's operating tolerances and specifications.
- Remove excess lubrication.
- Lubricate mechanism with proper lubricant.
- Furnish all labor, tools, materials, travel, and ancillary expenses required to complete the scope of work as described herein.

**SOUTH DAKOTA WOMEN'S PRISON
DETENTION EQUIPMENT REPLACEMENT
DESCRIPTION OF SYSTEM OPERATIONS
ALTERNATE #1 - ACCESS CONTROL SYSTEM**

The new Continental Access CardAccess 3000 system for the South Dakota Women's Prison is a card access system to allow a level of free movement within the facility for authorized staff. The authorization process is initiated at the card reader station. The proximity card is read by the reader station, validated by the card management system and integrated into the electronic control system via a relay contact to the PLC. The card readers will verify a valid card read and a photo of the individual issued the proximity card will appear on the card access administration workstation so that the operator can determine if access will be granted or denied.

The Continental Access CardAccess 3000 system will be a full-featured enterprise class access control solution, providing a scalable solution from stand alone entry level through networked system. This multi-tiered system will provide modular expansion and growth as required, and is designed to provide cost-effective system expansion and functional enhancements.

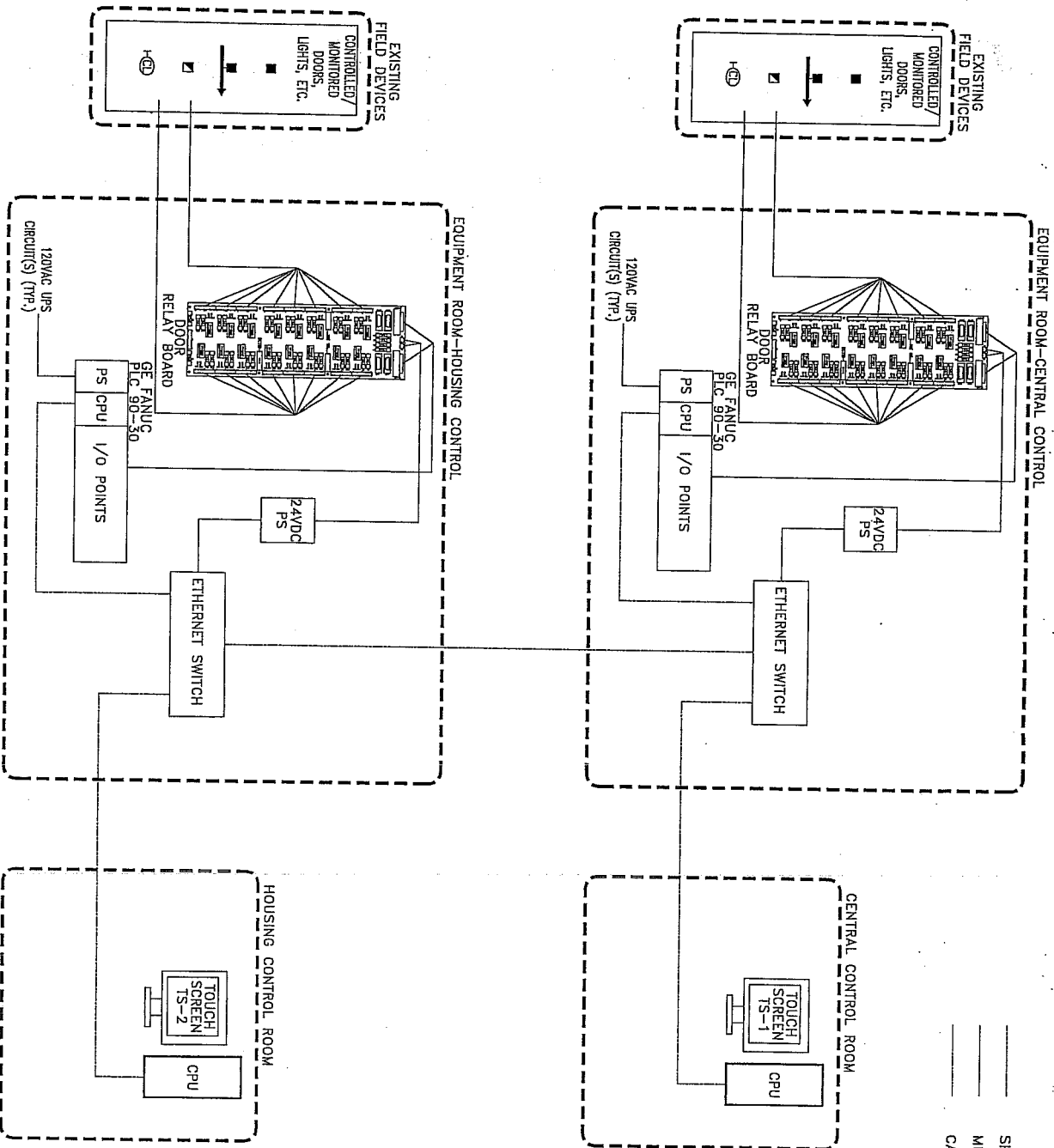
The existing Johnson Controls Access Control system will be removed and replaced with a Continental Access C1CP1400ULT door controller. A Host PC will be provided in Central Control and will communicate with the Access Control Panels using communication protocols such as TCP/IP, RS-422 and RS-232. A Continental Access DVR model # CA1004-0500 will be used to provide a display on the Card Access Administration Station located in Central Control. A Badging3000 photo-badging package will also be included to allow the user to capture employee images, add custom text and images and print ID cards.



REVISIONS	
GENERAL NOTES	
REVISIONS	
DATE	04/04/08
TIME	SUBMITTAL
PROJECT	SOUTH DAKOTA WOMEN'S PRISON PIERRE, SD
PROJECT NO.	*****
ENG. TITLE	CARD READER SYSTEM BLOCK DIAGRAM ALTERNATE #1
ENG. NO.	CRD-01.1

WIRING LEGEND

- SHIELDED TWISTED PAIR AUDIO CABLE
- MULTI-CONDUCTOR COPPER CABLE
- CATEGORY-5e ETHERNET CABLE



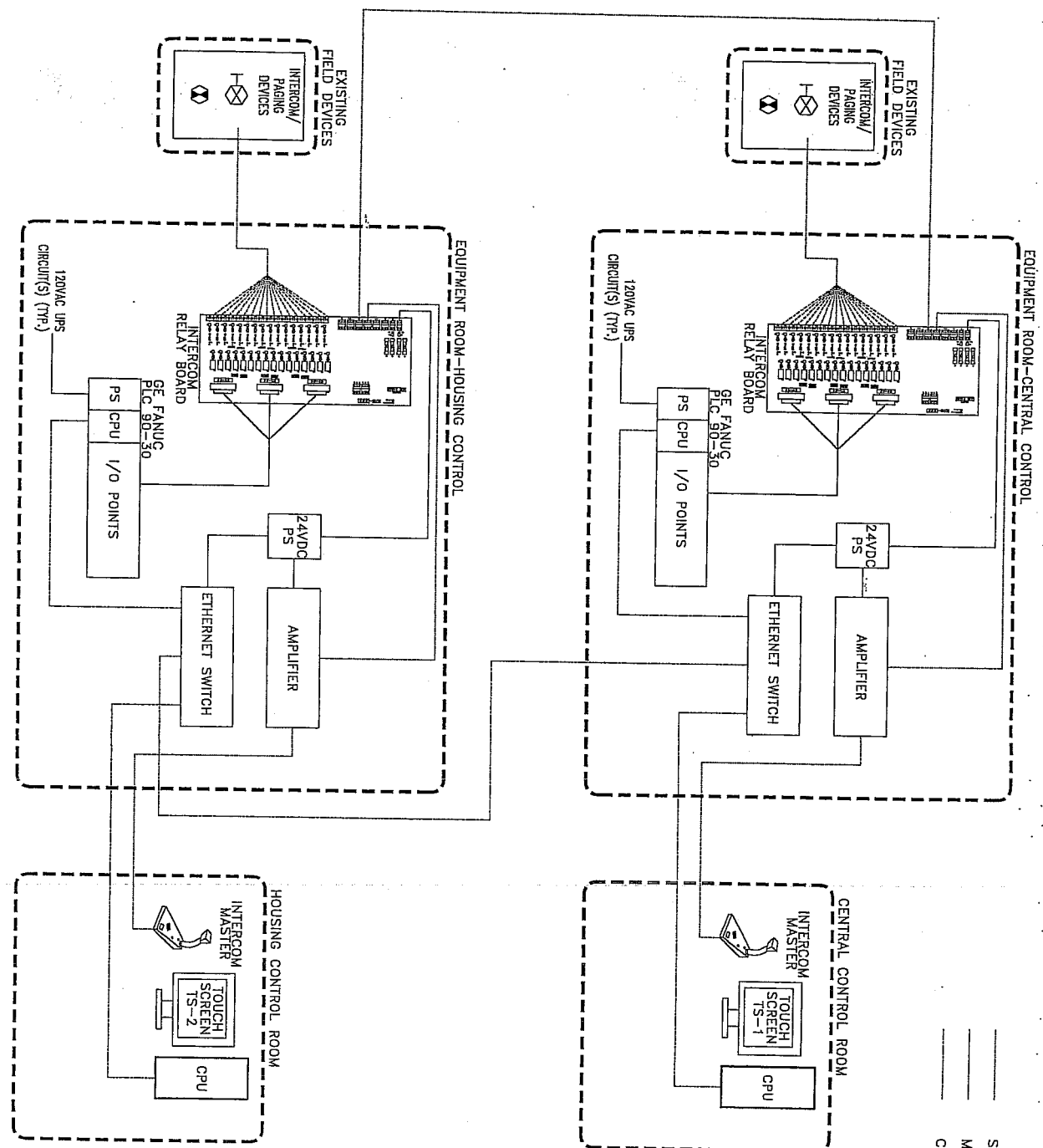
REVISIONS	
GENERAL NOTES	
DESIGNED FOR SHOPS	
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<input type="checkbox"/> SHOP USE	
AS-BUILTS	
SCALE	NO SCALE
DATE	04/04/08
FILE	SUBMITTAL
PROJECT	SOUTH DAKOTA WOMEN'S PRISON PIERRE, SD
PROJECT NO.	*****
DWG TITLE	DOOR CONTROL SYSTEM BLOCK DIAGRAM
DWG NO.	ECS-01.1

WIRING LEGEND

SHIELDED TWISTED PAIR AUDIO CABLE

MULTI-CONDUCTOR COPPER CABLE

CATEGORY-5e ETHERNET CABLE



REVISIONS	
GENERAL NOTE:	
X SUBMITTAL - NOT FOR CONSTRUCTION JOB-USE AS-BUILTS SCALE: NO SCALE DATE: 04/04/08 FOR: SUBMITTAL PROJECT: SOUTH DAKOTA WOMEN'S PRISON PIERRE, SD PRODUCT NO: ***** DWG TITLE: INTERCOM & PAGING SYSTEM BLOCK DIAGRAM DWG NO: ICS-01.1	

**SOUTH DAKOTA WOMEN'S PRISON
DETENTION EQUIPMENT REPLACEMENT
DESCRIPTION OF SYSTEM OPERATIONS
ALTERNATE #2 - CCTV**

The Video Surveillance System or CCTV System is an integrated color video system comprised of cameras, monitors, switchers, digital video recorders, as well as all required mounting and connection hardware, and interfaces.

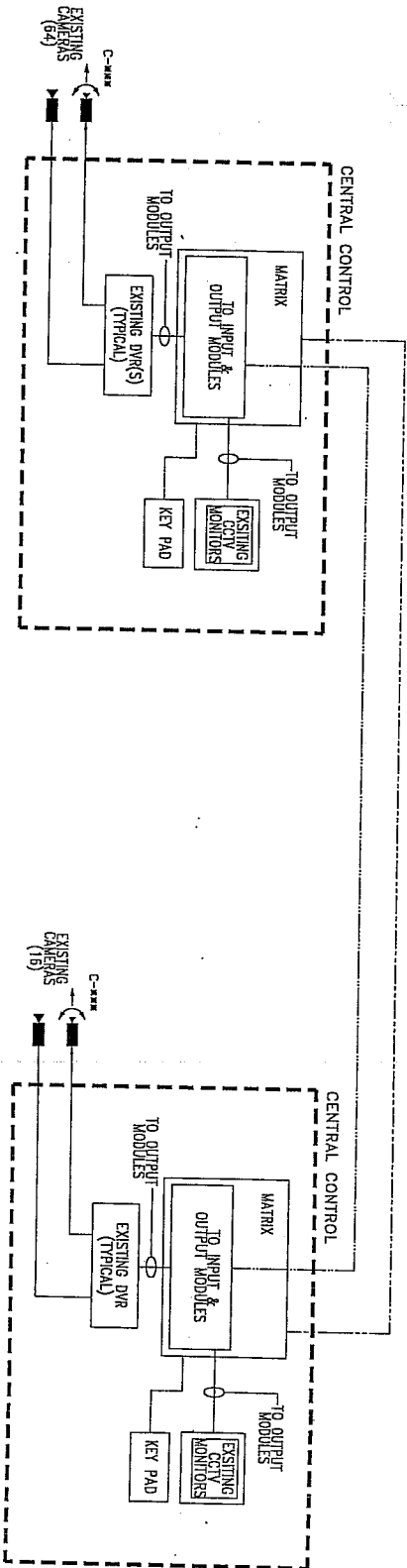
A Bosch LTC 8800 series Allegiant video matrix switcher will be provided in Central Control and the Housing Unit Control Room. Central Control's matrix will accommodate 128 inputs and 20 outputs and the Housing Unit Control matrix will accommodate 32 inputs and 32 outputs. Eighteen video trunk lines will interconnect each matrix which will allow the operators viewing monitors in either Central Control or the Housing Control Room to view cameras located throughout the facility. One Universal Digital Keyboard will be provided in each control room.

Approximately 64 existing cameras will be terminated to the new matrix located in Central Control and approximately sixteen existing cameras will be terminated to the new matrix located in the Housing Unit Control Room.

At the new matrix the touch screen application through the ECS calls up cameras to the appropriate monitor through a driver located on the touch screen server directly to the new video matrix.

LEGEND:

- RG-59 CABLE
- DATA LINE FOR KEYPAD CONTROL
- DATA LINE FOR SATELLITE MATRIX
- RG-59 CABLES FOR 18 TRUNK LINES
- BOSCH MATRIX 8800
- BOSCH INTUIKEY KEYPAD
- EXISTING PAN/TILT/ZOOM CAMERA
- EXISTING FIXED CAMERA

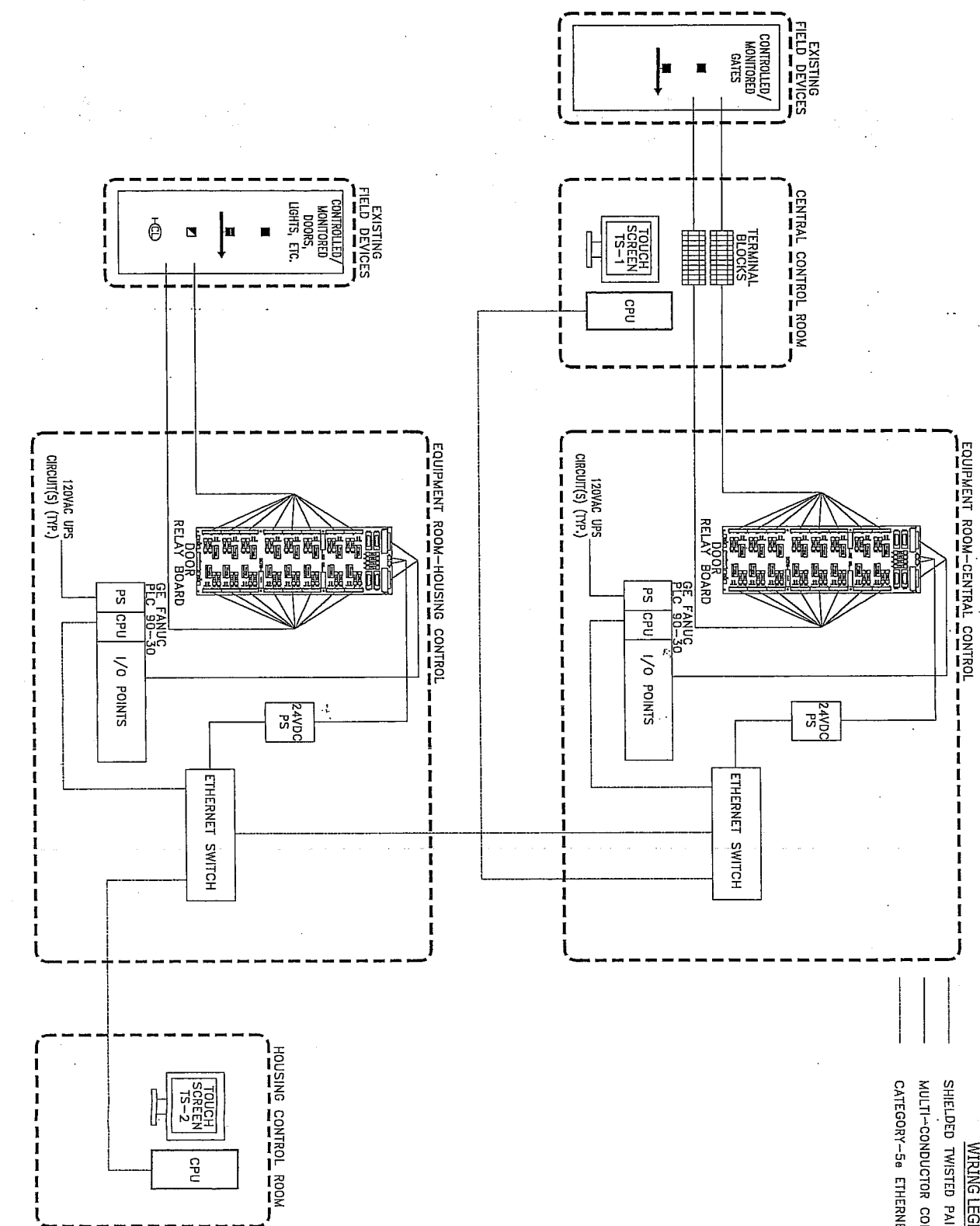


REVISIONS	
NO.	DESCRIPTION
1	ISSUED FOR CONSTRUCTION
2	NO SCALE
3	DATE: 04/04/08
4	FOR: SUBMITTAL
5	PROJECT: SOUTH DAKOTA WOMEN'S PRISON PIERRE, SD
6	PROJECT NO: *****
7	DWG TITLE: CCTV SYSTEM BLOCK DIAGRAM ALTERNATE #2
8	DWG NO: VID-01.1

**SOUTH DAKOTA WOMEN'S PRISON
DETENTION EQUIPMENT REPLACEMENT
DESCRIPTION OF SYSTEM OPERATIONS
ALTERNATE #3 -GATE CONTROL**

The integration of three existing exterior gates and five magnetically locked doors will be accomplished by removing the existing controllers located in Central Control and re-routing the field wire from Central Control to the security equipment room. The extended field wire will be interfaced via relay contacts to the PLC and Touch Screen System.

WIRING LEGEND
 SHIELDED TWISTED PAIR AUDIO CABLE
 MULTI-CONDUCTOR COPPER CABLE
 CATEGORY-5e ETHERNET CABLE



REVISIONS		GENERAL NOTES	
X SUBMITTAL - NOT FOR CONSTRUCTION JOB-USE AS-BUILT SCALE NO SCALE DATE 04/04/08 FOR SUBMITTAL PROJECT SOUTH DAKOTA WOMEN'S PRISON PIERRE, SD PRODUCT NO. ***** DWG TITLE DOOR CONTROL SYSTEM BLOCK DIAGRAM ALTERNATE #3 GATE INTEGRATION DWG NO. ECS-01.2			